

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-07-15 09:38:08
 Date of Next Testing: 2028-07-14 09:38:08
 Product Name: **D-(+)-Maltose monohydrate**
 CAS Number: 6363-53-7
 Specifications & Purity: $\geq 98\%$ (HPLC)
 Lot #: F2428443
 SKU #: **M104816**
 Version: **1**
 Analysis #: **373155**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Glucose	0-0.3 (%)	0.10500 %
Water by Karl Fischer	4.8-5.8 (%)	5.77000 %
Purity(HPLC)	98-100 (%)	99.56000 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})(\text{after drying})$	135-139 ($^{\circ}$)	138.50000 $^{\circ}$
Appearance (M104816)	white or almost white powder or crystals	white or almost white powder or crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Clear colorless solution(50mg/ml,water)	pass	Pass



John Su
QA & QC Manager